## Acer ENDURO T5

# USER'S MANUAL

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Acer ENDURO T5
Covers: ET510-51W
This revision: May 2020

**Important**

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# Register your Acer product

If your new device runs on Windows OS, you may have had your product registered automatically while you start up your device with Windows OS.

Log in at **www.acer.com/myproducts** with the email address you registered for Windows OS to review your product record. (Reset your password if you do not know it.)

If the record is not found, please follow the steps below to register.

1. Ensure you are connected to the Internet.
2. Go to **www.acer.com/register-product**.
3. Sign in or sign up for an Acer ID.
4. Enter S/N or SNID of your device to register it.

Model number: _____
Serial number: _____
Date of purchase: _____
Place of purchase: _____

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# Getting started...

## In this section you will find:

- Useful information on caring for your computer and your health
- Where to find the power button, ports and connectors
- How to create recovery backups
- Guidelines for connecting to a network and using Bluetooth
- Information on using Acer’s bundled software

# FIRST THINGS FIRST

We would like to thank you for making this Acer computer your choice for meeting your mobile computing needs.

## Your guides

To help you use your Acer computer we have designed a set of guides:

The **Quick Guide** introduces you to the basic features and functions of your new computer. For more on how your computer can help you to be more productive, please refer to the **User's Manual**. This guide contains detailed information on such subjects as system utilities, data recovery, expansion options and troubleshooting.

Once you have connected to the internet, you can download updates for your computer from:
**http://go.acer.com/?id=17883**

1. The link will open the Acer Support webpage.
2. Scroll down to *Drivers and Manuals* and search for your model by pasting in or manually entering the serial number, SNID, or product model.
3. From this page you can also download and install the Acer identification utility that will automatically detect your computer's serial number and SNID and allow you to copy it to the clipboard.
4. Once you have found your product model, any updates, or documents will be listed.

## Basic care and tips for using your computer

### Turning your computer off

To turn the power off, do any of the following:

- Use the Windows shutdown command: Select the *Windows Start button*, select **Power** > **Shut down**.
- Right-click the *Windows Start button* > **Shut down or sign out** > **Shut down**.

If you need to power down the computer for a short while, but don't want to completely shut it down, you can put it to *Sleep* by doing any of the following:

- Press the power button.
- Select the *Windows Start button*, select **Power** > **Sleep**.
- Right-click the *Windows Start button* > **Shut down or sign out** > **Sleep**.

**Note**

*If you cannot power off the computer normally, press and hold the power button for up to ten seconds to shut down the computer. If you turn off the computer and want to turn it on again, wait at least two seconds before powering up.*

## Taking care of your computer

Your computer will serve you well if you take care of it.

- Only use the adapter provided with your device, or an Acer-approved adapter to power your device.
- Do not expose the computer to direct sunlight. Do not place it near sources of heat, such as a radiator.
- Do not expose the computer to temperatures below 0º C (32º F) or above 50º C (122º F).
- Do not subject the computer to magnetic fields.
- Do not expose the computer to rain or moisture.
- Do not spill water or any liquid on the computer.
- Do not subject the computer to heavy shock or vibration.
- Do not expose the computer to dust or dirt.
- Never place objects on top of the computer.
- Do not slam the computer display when you close it.
- Never place the computer on uneven surfaces.

## Taking care of your AC adapter

Here are some ways to take care of your AC adapter:

- Do not connect the adapter to any other device.

- Do not step on the power cord or place heavy objects on top of it. Route the power cord and any cables away from where people walk.
- When unplugging the power cord, do not pull on the cord itself but pull on the plug.
- The total ampere ratings of the equipment plugged in should not exceed the ampere rating of the cord if you are using an extension cord. Also, the total current rating of all equipment plugged into a single wall outlet should not exceed the fuse rating.

## Cleaning and servicing

When cleaning the computer, follow these steps:

1. Turn off the computer.
2. Disconnect the AC adapter.
3. Use a soft, moist cloth. Do not use liquid or aerosol cleaners.

If your computer is dropped or visibly damaged, or does not work normally, please contact your nearest authorized Acer service center.

# Guidelines for safe battery usage

**Warning**
**When using a charging cart or a small space to simultaneously charge or operate multiple devices , the area must be well- ventilated and the temperature kept between 0 °C (32 °F) to 35 °C (95 °F) and battery charging must be stopped when 100% capacity is reached.**
**Continuous charging can cause deformation or damage to the battery/ device.**

## *Precautions when charging batteries*

The useful lifespan of a battery is adversely affected by the following behavior:

- Constantly charging the battery/device when already at full capacity.
- Charging the battery/device at temperatures above 35 °C (95 °F) or below 0 °C (32 °F).

To prevent damage, follow these precautions:

- Stop charging the battery once it reaches 100% capacity; regularly or frequently charging a fully charged battery for an extended period of time may cause battery deformation or damage. We recommend that you recharge the device when the battery level drops below 70% capacity.
- Do not charge battery in temperatures above 35 °C (95 °F) or below 0 °C (32 °F). Charging in abnormally high or abnormally low temperatures can cause battery deformation or damage.
- The charging port must be clean and free from debris and should only be used with Acer charging equipment. Use of a non-Acer battery or charging equipment can cause damage to the product and will void the warranty.
- If you plan to store the device for a long period of time, turn-off the device, remove AC power and store the product at room temperature (0 °C - 35 °C) in a dry (humidity: 45% - 80%), well-ventilated area. Avoid direct sunlight, high temperatures and high humidity. Do not leave your device's battery completely discharged for a long period of time; this may cause battery deformation or damage. We recommend that the battery is checked and charged to approximately 50% capacity every 6 months.

- ONLY CHARGE THE BATTERY IN A CLEAN, WELL VENTILATED AREA.

**Warning**
**Batteries may explode if not handled properly.**
**Do not disassemble or dispose of batteries in fire.**
**Do not short external contacts, crush, puncture or otherwise tamper with batteries. Keep batteries away from children.**
**Follow local regulations when disposing of used batteries.**

### *Precautions when replacing the battery*

Improper replacement or mishandling could damage the battery, cause overheating, result in injury, and risk fire or explosion.

- Device with built-in battery: A built-in battery must be replaced by an authorized service center. Do not attempt to replace or remove the battery by yourself.
- Device with removable battery: The battery should only be replaced with parts approved by Acer. Do not replace the battery with any parts other than approved ones.

This notebook uses a Lithium-based battery. Do not use it in a humid, wet or corrosive environment. Do not put, store or leave your product in or near a heat source, in a high temperature location, in strong direct sunlight, in a microwave oven or in a pressurized container, and do not expose it to temperatures over 50 °C (122 °F).

Failure to follow these guidelines may cause the battery to leak acid, become hot, explode or ignite and cause injury and/or damage. Do not pierce, open or disassemble the battery. If the battery leaks and you come into contact with the leaked fluids, rinse thoroughly with water and seek medical attention immediately. For safety reasons, and to prolong the lifetime of the battery, charging will must not occur at temperatures below 0 °C (32 °F) or above 35 °C (95 °F).

The full performance of a new battery is achieved only after two or three complete charge and discharge cycles. The battery can be charged and discharged hundreds of times, but it will eventually wear out. When the operation time becomes noticeably shorter than normal, check an authorized reseller to purchase a new battery.

Use the battery only for its intended purpose. Never use any charger or battery that is damaged. Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object such as a coin, clip or pen causes direct connection of the positive (+) and negative (-) terminals of the battery. (These look like metal strips on the battery.) This might happen, for example, when you carry a spare battery in your pocket or purse. Short-circuiting the terminals may damage the battery or the connecting object.

The capacity and lifetime of the battery will be reduced if the battery is left in hot or cold places, such as in a closed car in summer or winter. Always try to keep the battery between 15° C and 25° C (59° F and 77° F). A device with a hot or cold battery may not work temporarily, even when the battery is fully charged. Battery performance is especially limited in temperatures well below freezing.

Do not dispose of batteries in a fire as they may explode. Batteries may also explode if damaged. Dispose of batteries according to local regulations. Please recycle when possible. Do not dispose as household waste.

Wireless devices may be susceptible to interference from the battery, which could affect performance.

**Note**
*Please refer to **www.acer.com** for battery shipping documents.*

## Internal battery

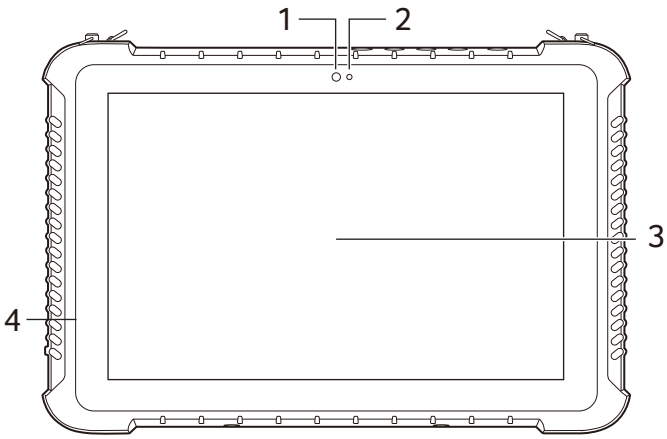
- Do not attempt to replace a built-in rechargeable battery, battery replacement must be done by an Acer- authorized repair facility.

Recharge the battery by following the instruction included in the product documentation.

# Your Acer Computer tour

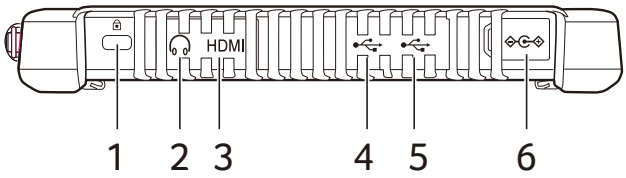
After setting up your computer, let us show you around your new Acer computer.

## Screen view




| # | Icon | Item | Description |
|---|---|---|---|
| 1 | | Front camera | Camera for video communication or taking photos. |
| 2 | | LED indicator | Indicates the computer’s battery status. |
| 3 | | Touchscreen | Displays computer output, supports multi-touch input. |
| 4 | | Microphone | Internal digital microphones for sound recording. |

# Left view




| # | Icon | Item | Description |
|---|---|---|---|
| 1 | | Kensington lock slot | Connects to a Kensington-compatible security lock. |
| 2 | | Headset jack | Connects to audio devices (e.g., speakers, headphones) |
| 3 | | HDMI mini connector | Supports high-definition digital video connections. |
| 4 | | Micro USB port | Connects to USB devices. |
| 5 | | USB port | Connects to USB devices. |
| 6 | | DC-in jack | Connects to an AC adapter. |

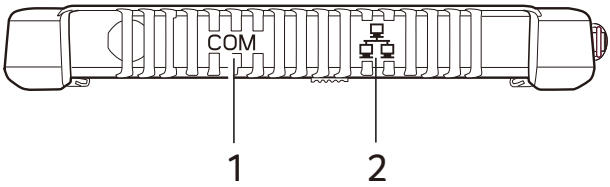
**Note**

*Your computer comes with port covers. The port covers protect your computer and reduce dust accumulation. Lift the edge of the port cover to access the slot.*

## USB 3.2 Gen 1 information

- USB 3.2 Gen 1 compatible ports are blue.
- Compatible with USB 3.2 Gen 1 and earlier devices.
- For optimal performance, use USB 3.2 Gen 1-certified devices.
- Defined by the USB 3.2 Gen 1 specification (SuperSpeed USB).

# Right view

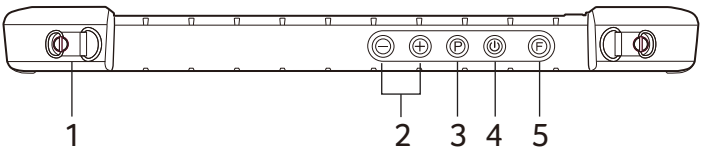



| # | Icon | Item | Description |
|---|---|---|---|
| 1 | **COM** | RS232 port | Connects to a serial device. |
| 2 | | Ethernet(RJ-45) port | Connects to an Ethernet 10/100/1000-based network. |

**Note**

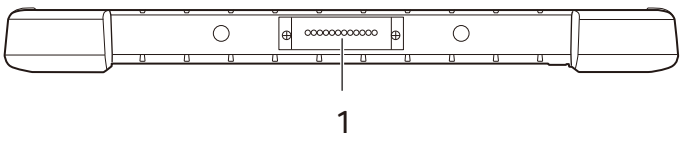
*Your computer comes with port covers. The port covers protect your computer and reduce dust accumulation. Lift the edge of the port cover to access the slot.*

# Top view



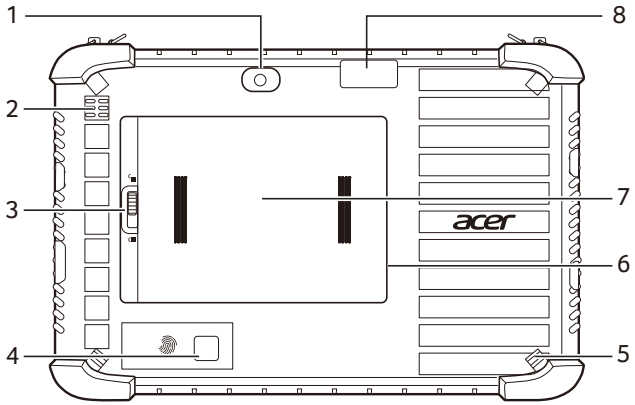

| # | Icon | Item | Description |
|---|---|---|---|
| 1 | | Hang buckle | Align the two hooks of the accessory with the two corresponding holes on the tablet. |
| 2 | **+/-** | Volume button | Adjusts the system volume. |
| 3 | **P** | Programmable key | Assigns a function to a key. (configuration may vary by model). |
| 4 | | Power button | Press to turn the computer on and off. |
| 5 | **F** | Programmable key | Assigns a function to a key. (configuration may vary by model). |

# Bottom view




| # | Icon | Item | Description |
|---|---|---|---|
| 1 | | Docking connector | Connects to a docking station. |

# Base view




| # | Icon | Item | Description |
|---|---|---|---|
| 1 | | Rear camera | Camera for video communication or taking photos. |
| 2 | | Speaker | Delivers stereo audio output. |
| 3 | | Battery lock | Locks the battery in position. |
| 4 | | Fingerprint reader (optional) | Fingerprint reader for Windows Hello and security. |
| 5 | | Metal buckle | Align the four hooks of the accessory with the four corresponding holes on the tablet. |

| # | Icon | Item | Description |
|---|---|---|---|
| 6 | **TF** | Micro SD card slot (under replaceable battery) | Insert a microSD card into this slot. *Only one card can operate at a time.* |
| 7 | | Replaceable battery | Provides power for the computer. |

# RECOVERY

If you are having trouble with your computer, and the frequently asked questions (**see Got a question? on page 60**) do not help, you can recover your computer.

This section describes the recovery tools available on your computer. Acer provides *Acer ControlCenter*, which allows you to reset your PC, refresh your PC, or create a factory default backup. If you cannot access *Acer ControlCenter*, click **Settings** in the Start menu, select **Update & Security** and then click **Recovery.**

**Note**
*Acer ControlCenter vary depending on model or Operating System.*

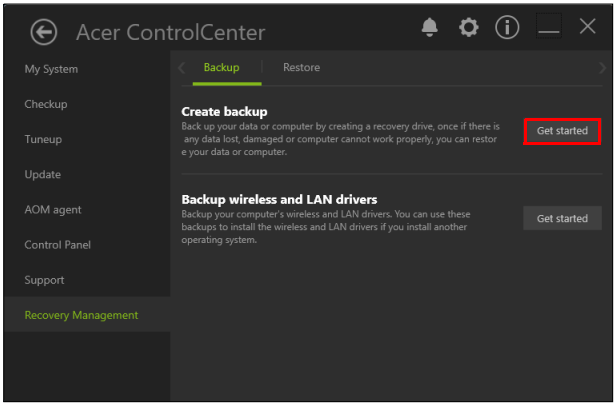
**Important**
**We recommend that you create a Factory Default Backup as soon as possible. In certain situations a full recovery will require a USB recovery backup.**

## Creating a factory default backup

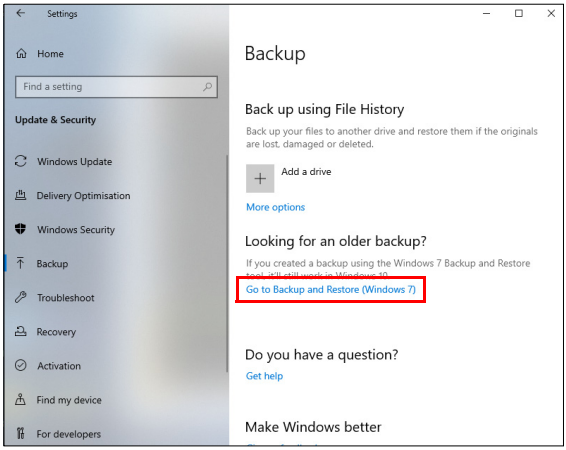
Recovery Management allows you to quickly and easily back up your operating system, installed apps and data.

**Note**
*Since the recovery backup requires at least 8 GB of storage after formatting, it is recommended to use a USB drive with a capacity of 16 GB or larger.*

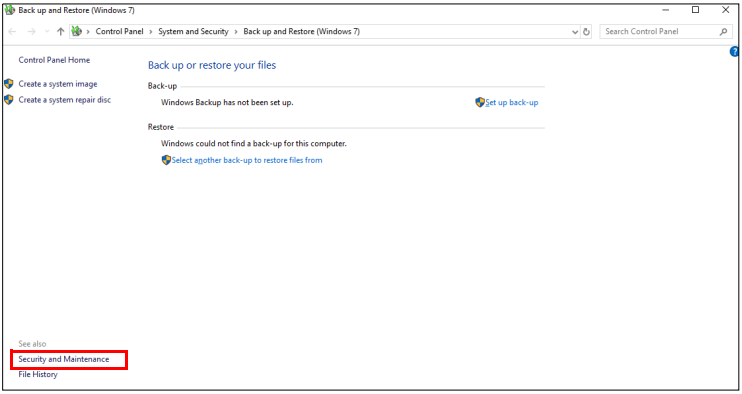
1. From *Start*, select **Control Center** then **Recovery Management**.
2. Select the *Backup* tab and click **Get started** for *Create backup* to open the *Backup* window.


Acer ControlCenter
My System
Checkup
Tuneup
Update
AOM agent
Control Panel
Support
Recovery Management
Backup
Restore
Create backup
Back up your data or computer by creating a recovery drive, once if there is any data lost, damaged or computer cannot work properly, you can restor e your data or computer.
Get started
Backup wireless and LAN drivers
Backup your computer's wireless and LAN drivers. You can use these backups to install the wireless and LAN drivers if you install another operating system.
Get started

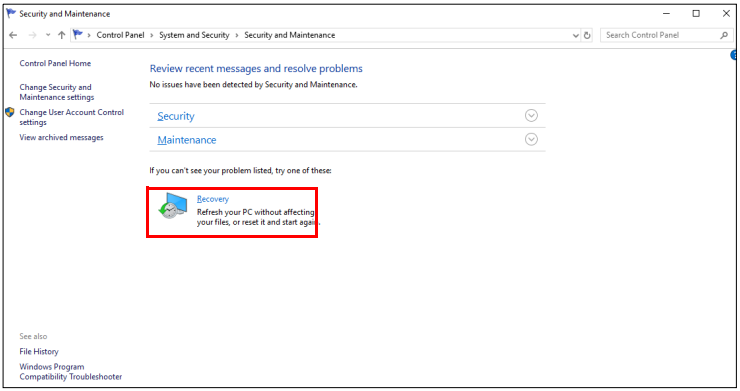
3. If you would like to backup not only your files but also the entire system, select **Go to Backup and Restore (Windows 7)**.



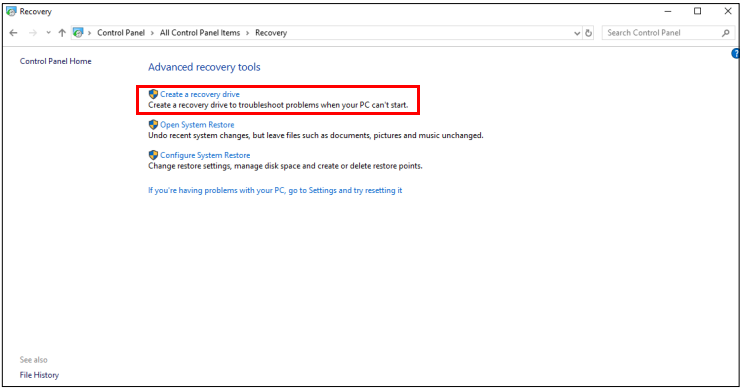
4. Select **Security and Maintenance** in the left pane.


Back up and Restore (Windows 7)
Control Panel › System and Security › Back up and Restore (Windows 7)
Search Control Panel
Control Panel Home
Create a system image
Create a system repair disc
Back up or restore your files
Back-up
Windows Backup has not been set up.
Set up back-up
Restore
Windows could not find a back-up for this computer.
Select another back-up to restore files from
See also
Security and Maintenance
File History

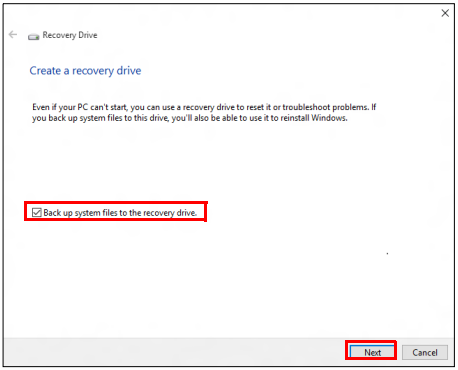
5. Select **Recovery** to open the *Advanced recovery tools* window.


Security and Maintenance
Control Panel › System and Security › Security and Maintenance
Search Control Panel
Control Panel Home
Change Security and Maintenance settings
Change User Account Control settings
View archived messages
Review recent messages and resolve problems
No issues have been detected by Security and Maintenance.
Security
Maintenance
If you can't see your problem listed, try one of these:
Recovery
Refresh your PC without affecting your files, or reset it and start again
See also
File History
Windows Program Compatibility Troubleshooter

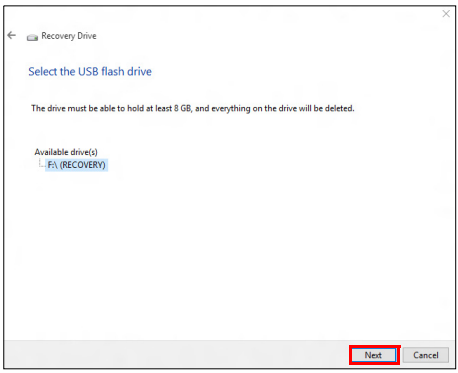
6. Select **Create a recovery drive** to open the *Recovery Drive* window.


Recovery
Control Panel › All Control Panel Items › Recovery
Search Control Panel
Control Panel Home
Advanced recovery tools
Create a recovery drive
Create a recovery drive to troubleshoot problems when your PC can't start.
Open System Restore
Undo recent system changes, but leave files such as documents, pictures and music unchanged.
Configure System Restore
Change restore settings, manage disk space and create or delete restore points.
If you're having problems with your PC, go to Settings and try resetting it
See also
File History

7. Make sure **Back up system files to the recovery drive** is selected and click **Next**.


Recovery Drive
Create a recovery drive
Even if your PC can't start, you can use a recovery drive to reset it or troubleshoot problems. If you back up system files to this drive, you'll also be able to use it to reinstall Windows.
Back up system files to the recovery drive.
Next
Cancel

8. Plug in the USB drive and wait for the PC to detect the USB drive then click **Next**.


Recovery Drive
Select the USB flash drive
The drive must be able to hold at least 8 GB, and everything on the drive will be deleted.
Available drive(s)
F:\ (RECOVERY)
Next
Cancel

9. Everything on the drive will be deleted. Click **Create** to continue.
10. You will be shown the backup progress on the screen.
11. Follow the process until it completes.
12. Unplug the USB drive and label it clearly.

**Important**

**Write a unique, descriptive label on the backup, such as 'Windows Recovery Backup'. Make sure you keep the backup in a safe place that you will remember.**

## Backing up your wireless and LAN drivers

Back up your wireless and LAN drivers. You can use these backups to install the wireless and LAN drivers if you install another operating system.

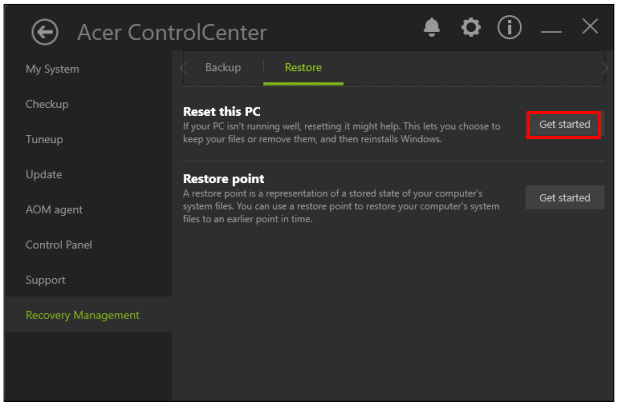
1. From *Start*, select **Control Center** then **Recovery Management**.
2. Select the *Backup* tab and click **Get started** for *Backup wireless and LAN drivers*. Choose a folder to save your drivers and select **OK**.

## Restoring your computer

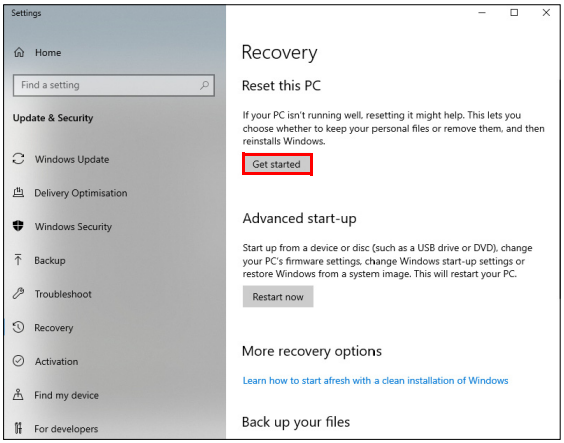
Recovery Management allows you to quickly and easily restore your computer back to its default status. You can choose to keep your files or remove them before reinstalling Windows.

# Reset this PC and keep my files

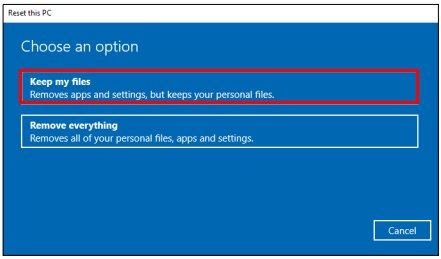
1. From *Start*, select **Control Center** then **Recovery Management**.
2. Select the *Restore* tab and click **Get started** to open the *Recovery* window.


Acer ControlCenter
My System
Checkup
Tuneup
Update
AOM agent
Control Panel
Support
Recovery Management
Backup
Restore
Reset this PC
If your PC isn't running well, resetting it might help. This lets you choose to keep your files or remove them, and then reinstalls Windows.
Get started
Restore point
A restore point is a representation of a stored state of your computer's system files. You can use a restore point to restore your computer's system files to an earlier point in time.
Get started

3. Click **Get started** under *Reset this PC*.


Settings
Home
Find a setting
Update & Security
Windows Update
Delivery Optimisation
Windows Security
Backup
Troubleshoot
Recovery
Activation
Find my device
For developers
Recovery
Reset this PC
If your PC isn't running well, resetting it might help. This lets you choose whether to keep your personal files or remove them, and then reinstalls Windows.
Get started
Advanced start-up
Start up from a device or disc (such as a USB drive or DVD), change your PC's firmware settings, change Windows start-up settings or restore Windows from a system image. This will restart your PC.
Restart now
More recovery options
Learn how to start afresh with a clean installation of Windows
Back up your files

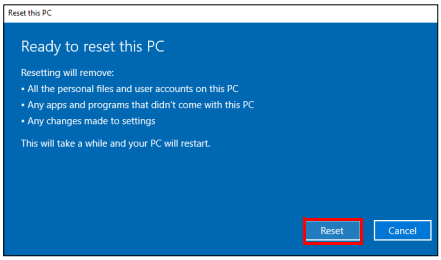
4. Select **Keep my files** to refresh your PC and reinstall your operating system without removing your personal files. Click **Next** to continue.


Reset this PC
Choose an option
Keep my files
Removes apps and settings, but keeps your personal files.
Remove everything
Removes all of your personal files, apps and settings.
Cancel

**Important**

**If you have apps installed on your PC, they will be removed.**

5. Resetting the PC will reinstall Windows, change settings back to their factory defaults and remove all preinstalled apps and programs without removing your personal files. Click **Reset** to continue.

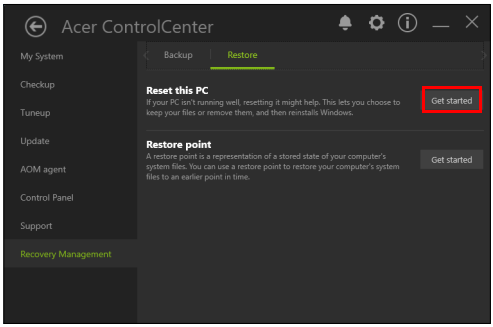

Reset this PC
Ready to reset this PC
Resetting will remove:
• All the personal files and user accounts on this PC
• Any apps and programs that didn't come with this PC
• Any changes made to settings
This will take a while and your PC will restart.
Reset
Cancel

6. You will be shown the reset progress on the screen. The screen will turn off during the reset process.
7. The screen will turn back on when it is installing Windows. Your PC will restart several times during the reset process.
8. Follow the process until it completes.
9. When your PC has completed the reset process, Windows will have been reset back to its factory default settings without removing your personal files.

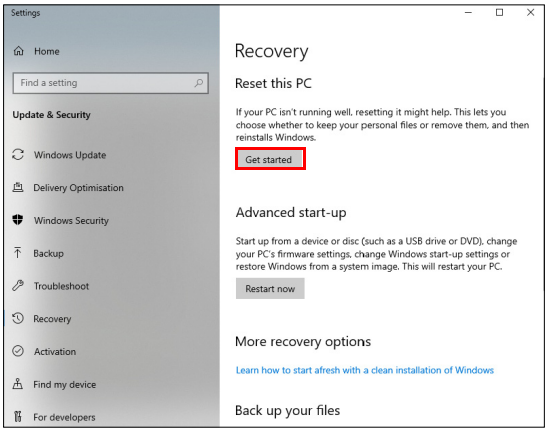
## Reset this PC and remove everything

1. From *Start*, select **Control Center** then **Recovery Management**.

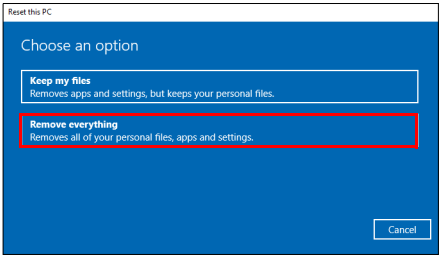
2. Select the *Restore* tab and click **Get started** to open the *Recovery* window.


Acer ControlCenter
My System
Checkup
Tuneup
Update
AOM agent
Control Panel
Support
Recovery Management
Backup
Restore
Reset this PC
If your PC isn't running well, resetting it might help. This lets you choose to keep your files or remove them, and then reinstalls Windows.
Get started
Restore point
A restore point is a representation of a stored state of your computer's system files. You can use a restore point to restore your computer's system files to an earlier point in time.
Get started

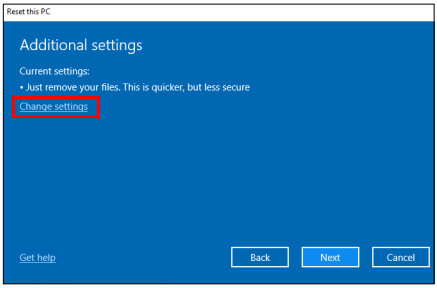
3. Click **Get started** under *Reset this PC*.


Settings
Home
Find a setting
Update & Security
Windows Update
Delivery Optimisation
Windows Security
Backup
Troubleshoot
Recovery
Activation
Find my device
For developers
Recovery
Reset this PC
If your PC isn't running well, resetting it might help. This lets you choose whether to keep your personal files or remove them, and then reinstalls Windows.
Get started
Advanced start-up
Start up from a device or disc (such as a USB drive or DVD), change your PC's firmware settings, change Windows start-up settings or restore Windows from a system image. This will restart your PC.
Restart now
More recovery options
Learn how to start afresh with a clean installation of Windows
Back up your files

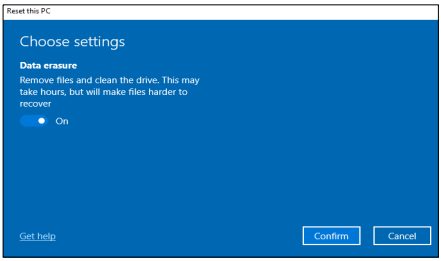
4. Select **Remove everything** to reset your PC back to its factory default. This process will reinstall your operating system and remove all of your personal files, apps, and settings.


Reset this PC
Choose an option
Keep my files
Removes apps and settings, but keeps your personal files.
Remove everything
Removes all of your personal files, apps and settings.
Cancel

5. Click **Change settings** to let you choose the *Data erasure* options.

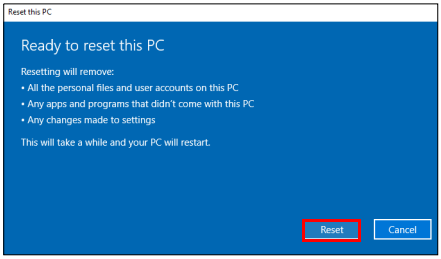



6. Select *Data erasure* **Off** if you are keeping your computer. This will be quicker, but less secure. Files may still be recovered with a file recovery program.
   Select *Data erasure* **On** if you are not keeping your computer. This process will take longer, but will be more secure.
   Click **Confirm** then **Next** to continue.




**Warning**
**Selecting "*Data erasure On*" will remove all of your personal files and accounts, along with pre-existing drivers that may affect your Windows installation.**

7. Click **Reset** to continue.


Reset this PC
Ready to reset this PC
Resetting will remove:
• All the personal files and user accounts on this PC
• Any apps and programs that didn't come with this PC
• Any changes made to settings
This will take a while and your PC will restart.
Reset
Cancel

8. You will be shown the reset progress on the screen. The screen will turn off during the reset process.
9. The screen will turn back on when it is installing Windows. Your PC will restart several times during the reset process.
10. Follow the process until it completes.
11. When your PC has completed the reset process, Windows will use factory default settings.

# USING A BLUETOOTH CONNECTION

Bluetooth is a technology enabling you to transfer data wirelessly over short distances between many different types of devices. Bluetooth-enabled devices include computers, cell phones, tablets, wireless headsets, and keyboards.

To use Bluetooth, you must ensure the following:

1. Bluetooth is enabled on both devices.
2. Your devices are "paired" (or connected).

## Enabling and disabling Bluetooth

The Bluetooth adapter must be enabled on both devices. For your computer, this may be an external switch, a software setting, or a separate Bluetooth dongle plugged into the computer's USB port (if no internal Bluetooth adapter is available).

**Note**

*Please check your devices owner's manual to determine how to turn on its Bluetooth adapter.*

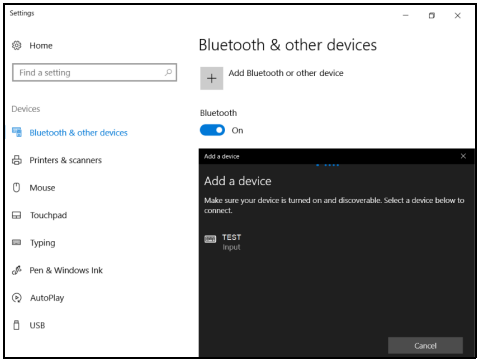
### Enable Bluetooth and add a device

Every new device must first be "paired" with your computer's Bluetooth adapter. This means it must first be authenticated for security purposes. You only need to pair once. After that, simply turning on the Bluetooth adapter of both devices will connect them.

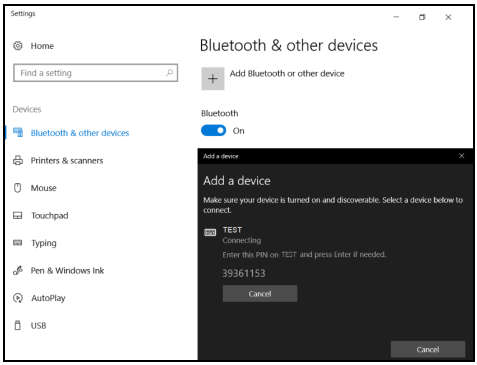
Bluetooth on your computer is disabled by default. To enable your computer's Bluetooth adapter, do the following:

1. Select the *Windows Start button* > **Settings** > **Devices** > **Bluetooth & other devices**, and click the toggle under **Bluetooth** to enable/disable it.
2. Click on **Add Bluetooth or other device** then select the device that you want to add.
3. Your computer will automatically start searching for devices, as well as make itself visible to other devices.

4. Select the device you wish to pair from the list of discovered devices.




5. After pairing, if there is a code displaying on the screen, enter that code on the device to proceed the connection.




**Note**

*Some devices using older versions of the Bluetooth technology require both devices to enter a PIN. In the case of one of the devices not having any inputs (as in a headset), the passcode is hardcoded into the device (usually "0000" or "1234"). Consult your device's user manual for more information.*

You can also enter the Bluetooth settings by selecting the *Notifications* icon in the lower right-hand corner of the screen to open the *Notifications* pane. From here, you can enable or disable Bluetooth or right-click on **Bluetooth** > **Go to Settings** to enter the Bluetooth settings.

# CONNECTING TO THE INTERNET

This chapter includes general information on types of connections, and getting connected to the internet. For detailed information, please refer to **Network connections on page 73**.

Your computer's built-in network features make it easy for you to connect your computer to the internet.

First though, in order to connect to the internet from home, you'll need to sign up for internet services from an ISP (Internet Service Provider) -- usually a phone or cable company -- that will have to go to your home or office to set up internet service. The ISP will install a small box, a router or modem, that will allow you to connect to the internet.

## Connecting to a wireless network

### Connecting to a wireless LAN

A wireless LAN (or WLAN) is a *wireless local area network*, which can link two or more computers without using wires. Once connected to WLAN, you can access the internet. You can also share files, other devices, and even your internet connection itself.

Your computer's wireless connection is turned on by default and Windows will detect and display a list of available networks during setup. Select your network and enter the password if required.

**Warning**

**Using wireless devices while flying in aircraft may be prohibited. All wireless devices must be switched off before boarding an aircraft and during take-off, as they may be dangerous to the operation of the aircraft, disrupt communications, and even be illegal. You may turn on your computer's wireless devices only when informed that it is safe to do so by the cabin crew.**

Acer computers feature a *Flight mode* that turns the network connection on or off. You can use the network management options to turn your wireless network on/off or control what is shared over the network.

To connect to a wireless network, please follow the steps below.

1. Ensure you have a wireless router/access point and current internet connection through the ISP of your choice. Make a note of the wireless network's name and password (if necessary). If you are trying to connect to a public network (such as at a coffeeshop), make sure you have the wireless network's name.

**Note**

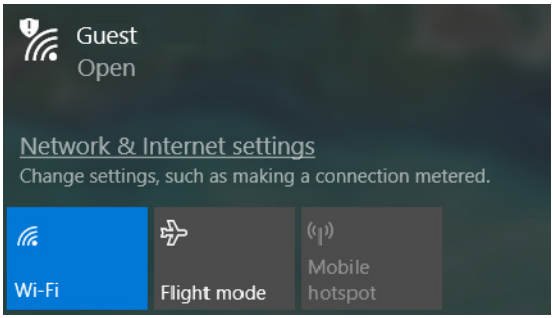
*Please refer to your ISP or router documentation for details on connecting to the internet.*

2. Click **Network** icon in the notification area.

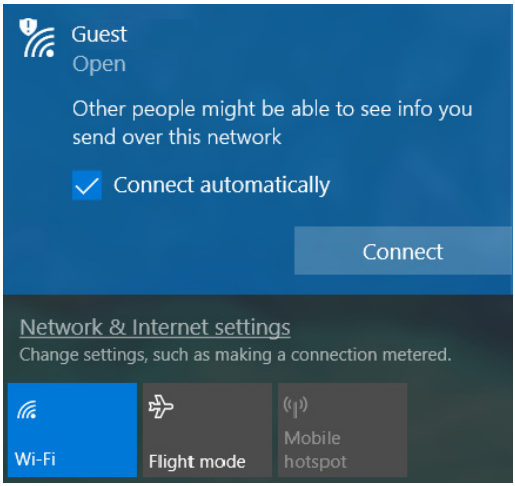
**Note**

*If Wi-Fi is turned off, please click **Wi-Fi** tile to turn it on.*

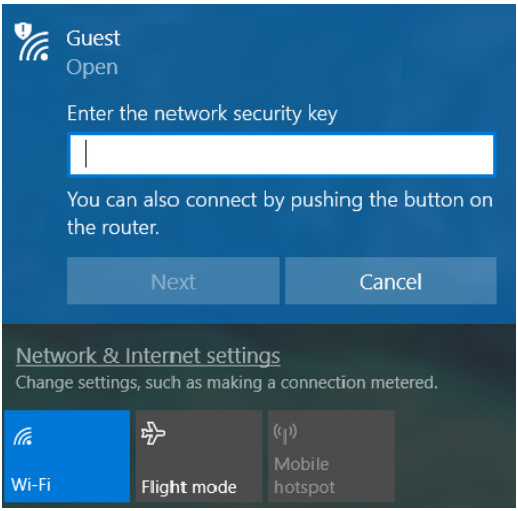
3. You will see a list of available wireless networks. Select the one you wish to use.



4. Once you select a wireless network, select **Connect**.



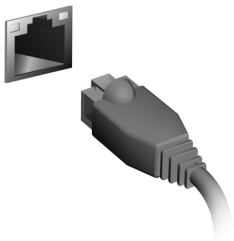

5. If required, enter the network's password.



# Connecting with a cable

## Built-in network feature

If your computer has a network port, plug one end of a network cable into the network port on your computer, and the other end into a port on your router (refer to the image below.) Then, you'll be ready to get online.



# Connecting to a cellular network

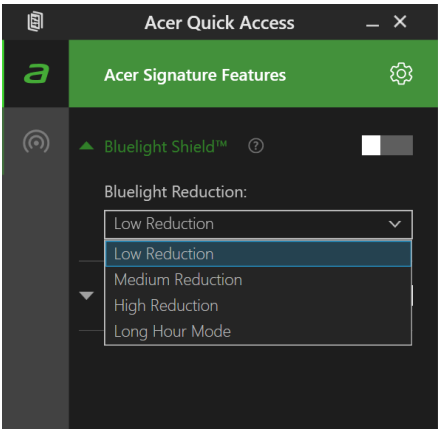
If your computer has a SIM slot, you can connect to the internet using a cellular phone network. To do this, you must have a compatible SIM card and a data contract with your cellular provider. Contact your cellular provider for more information on connecting to the internet using a cellular network.

# BLUELIGHT SHIELD

The Bluelight Shield can be enabled to reduce blue-light emissions from the screen to protect your eyes.

To configure the Bluelight Shield, search for '**Quick Access**' in the Start Menu. From here you can toggle Bluelight Shield on or off, and you can choose from four different modes to fit your needs:

| No. | Item | Description |
|---|---|---|
| 1 | Low Reduction | Reduces blue light emission from the LED backlit screen by 10% to 25% for basic protection. |
| 2 | Medium Reduction | Reduces blue light emission from the LED backlit screen by 26% to 45% to protect your eyes. |
| 3 | High Reduction | Reduces blue light emission from the LED backlit screen by 46% to 65% for maximum protection. |
| 4 | Long Hour Mode | Professionally tuned to reduce eye strain over an extended period of time. |




**Note**

*Specifications vary depending on model or Operating System.*

# Keeping your computer and data safe...

## In this section you will find:

- How to secure your computer
- Setting passwords
- What you need to prepare when you’re traveling
- How to get the most out of your battery

# SECURING YOUR COMPUTER

Your computer is a valuable investment that you need to take care of. Learn how to protect and take care of your computer.

Security features include hardware and software locks — a security notch and passwords.

## Using a computer security lock

The computer comes with a computer security slot for a security lock.

Wrap a computer security lock cable around an immovable object such as a table or handle of a locked drawer. Insert the lock into the notch and turn the key to secure the lock. Some keyless models are also available.

## Using passwords

Passwords protect your computer from unauthorized access. Setting these passwords creates several different levels of protection for your computer and data:

- Supervisor Password prevents unauthorized entry into the BIOS utility. Once set, you must enter this password to gain access to the BIOS utility. **See Setting passwords on page 42**.
- User Password secures your computer against unauthorized use. Combine the use of this password with password checkpoints on boot-up and resume from Hibernation (if available) for maximum security.
- Password on Boot secures your computer against unauthorized use. Combine the use of this password with password checkpoints on boot-up and resume from Hibernation (if available) for maximum security.

**Important**

**Do not forget your Supervisor Password! If you forget your password, please get in touch with your dealer or an authorized service center.**

# Entering passwords

When a password is set, a password prompt appears in the center of the display screen.

- When the Supervisor Password is set, a prompt appears when you enter the BIOS utility.
- Type the Supervisor Password and press **Enter** to access the BIOS utility. If you enter the password incorrectly, a warning message appears. Try again and press **Enter**.
- When the User Password is set and the password on boot parameter is enabled, a prompt appears at boot-up.
- Type the User Password and press **Enter** to use the computer. If you enter the password incorrectly, a warning message appears. Try again and press **Enter**.

**Important**

**You have three chances to enter a password. If you fail to enter the password correctly after three tries, the system halts. Press and hold the power button for four seconds to shut down the computer. Then turn on the computer again, and try again.**

# FINGERPRINT READER

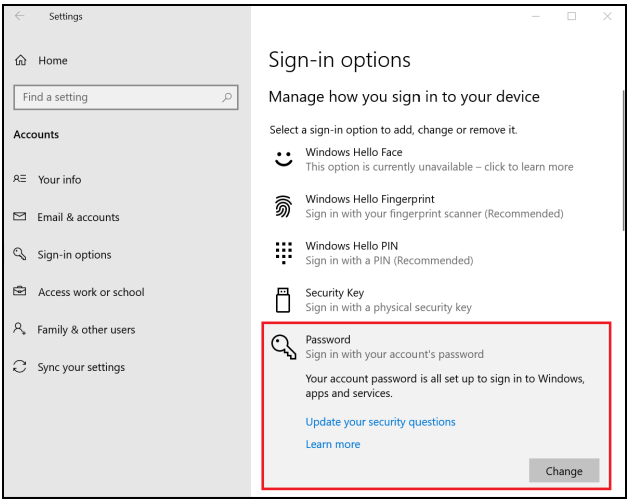
In addition to using an account password or PIN to sign in to Windows apps and services, you can also use the fingerprint reader to sign-in and unlock your Acer computer.

In order to use the fingerprint reader, you must first configure the fingerprint reader to recognize your fingerprint to confirm your identity.

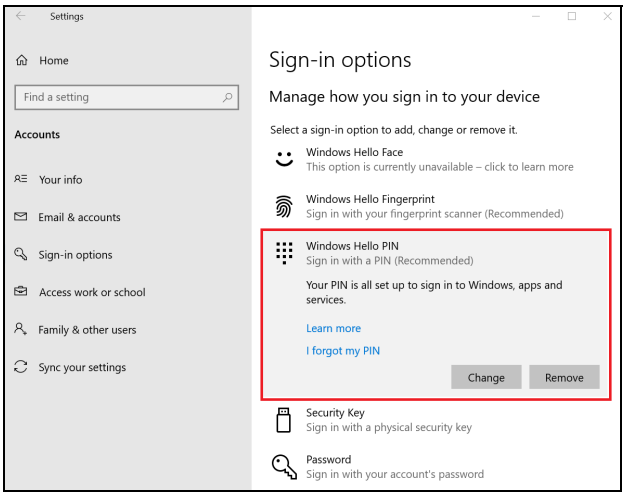
## How to use the fingerprint reader

Select the **Start** button, then select **Settings** > **Accounts** > **Sign-in options** to set up Windows Hello.

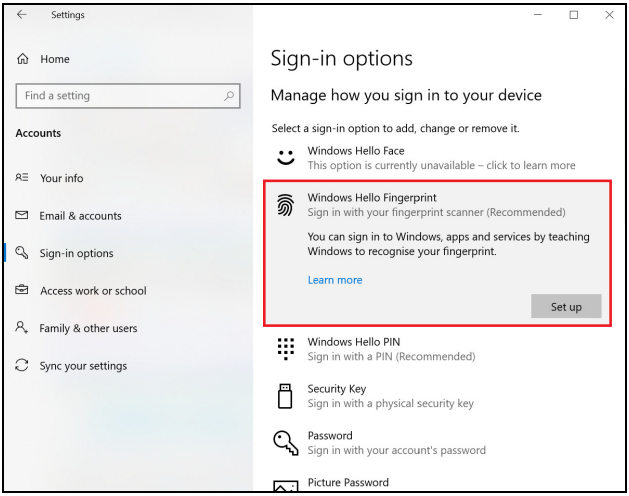
1. Set a password.


Settings
Home
Find a setting
Accounts
Your info
Email & accounts
Sign-in options
Access work or school
Family & other users
Sync your settings
Sign-in options
Manage how you sign in to your device
Select a sign-in option to add, change or remove it.
Windows Hello Face
This option is currently unavailable – click to learn more
Windows Hello Fingerprint
Sign in with your fingerprint scanner (Recommended)
Windows Hello PIN
Sign in with a PIN (Recommended)
Security Key
Sign in with a physical security key
Password
Sign in with your account's password
Your account password is all set up to sign in to Windows, apps and services.
Update your security questions
Learn more
Change

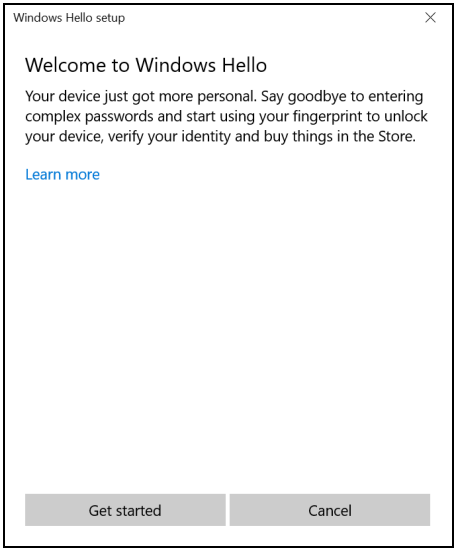
2. Set a PIN code.


Settings
Home
Find a setting
Accounts
Your info
Email & accounts
Sign-in options
Access work or school
Family & other users
Sync your settings
Sign-in options
Manage how you sign in to your device
Select a sign-in option to add, change or remove it.
Windows Hello Face
This option is currently unavailable – click to learn more
Windows Hello Fingerprint
Sign in with your fingerprint scanner (Recommended)
Windows Hello PIN
Sign in with a PIN (Recommended)
Your PIN is all set up to sign in to Windows, apps and services.
Learn more
I forgot my PIN
Change
Remove
Security Key
Sign in with a physical security key
Password
Sign in with your account's password

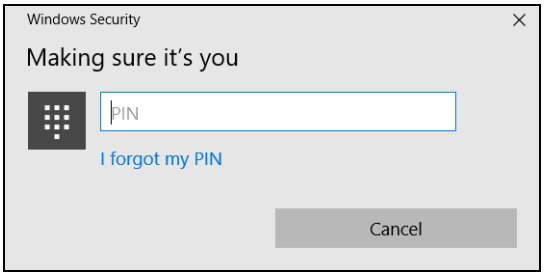
3. In Windows Hello Fingerprint, select **Set up** to configure the fingerprint reader.


Settings
Home
Find a setting
Accounts
Your info
Email & accounts
Sign-in options
Access work or school
Family & other users
Sync your settings
Sign-in options
Manage how you sign in to your device
Select a sign-in option to add, change or remove it.
Windows Hello Face
This option is currently unavailable – click to learn more
Windows Hello Fingerprint
Sign in with your fingerprint scanner (Recommended)
You can sign in to Windows, apps and services by teaching Windows to recognise your fingerprint.
Learn more
Set up
Windows Hello PIN
Sign in with a PIN (Recommended)
Security Key
Sign in with a physical security key
Password
Sign in with your account's password
Picture Password

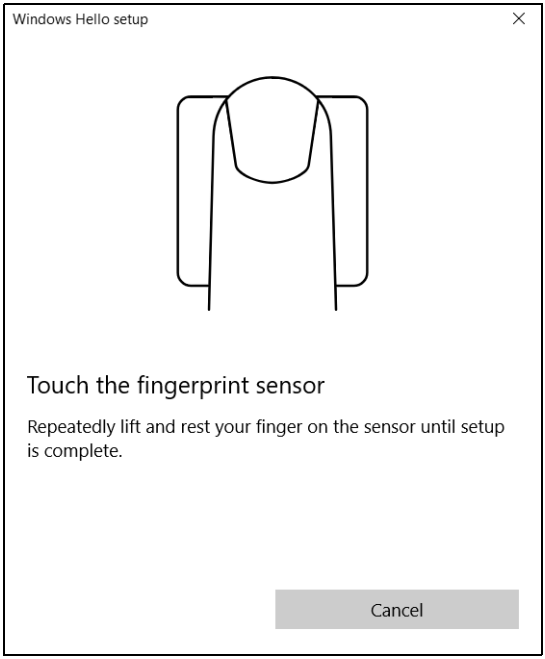
4. In the Windows Hello set up window, select **Get started** to begin the fingerprint configuration.


Windows Hello setup
Welcome to Windows Hello
Your device just got more personal. Say goodbye to entering complex passwords and start using your fingerprint to unlock your device, verify your identity and buy things in the Store.
Learn more
Get started
Cancel

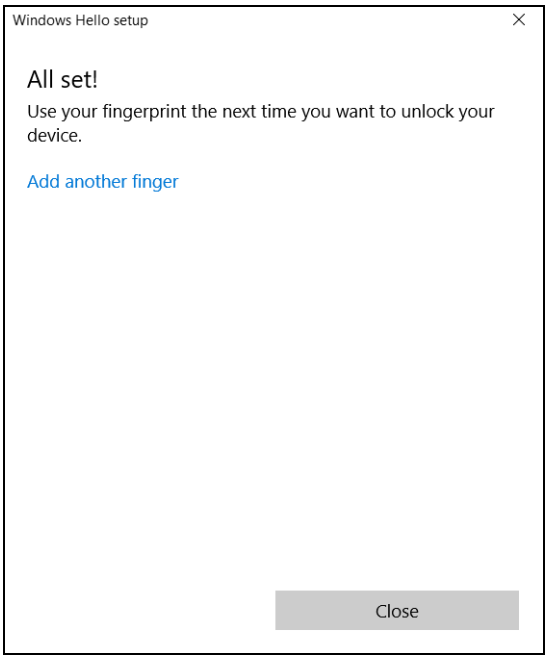
5. Enter your PIN to confirm your identity.



6. When the Windows Hello setup window appears, follow the onscreen directions. Press and hold your finger on the fingerprint sensor and then lift. Repeat this step until the fingerprint configuration is complete.


Windows Hello setup
Touch the fingerprint sensor
Repeatedly lift and rest your finger on the sensor until setup is complete.
Cancel

7. Once the fingerprint configuration is complete, you will be able to sign in or unlock your computer by placing your fingerprint on the fingerprint reader. You may select **Add another finger** to add another fingerprint to unlock the computer.




**Note**

*If the computer has multiple accounts, you can set up access separately and automatically switch between accounts.*

# BIOS UTILITY

The BIOS utility is a hardware configuration program built into your computer's BIOS.

Your computer is already properly configured and optimized, and you do not normally need to run this utility. However, if you encounter configuration problems, you may need to run it.

To activate the BIOS utility, press **F2** while the computer logo is being displayed.

## Boot sequence

To set the boot sequence in the BIOS utility, activate the BIOS utility, then select **Boot** from the categories listed on the top of the screen.

## Setting passwords

To set a password on boot, activate the BIOS utility, then select **Security** from the categories listed on the top of the screen.

Find **Administrator Password** and enter a password to enable this feature.

# POWER MANAGEMENT

This computer has a built-in power management unit that monitors system activity. System activity refers to any activity involving one or more of the following devices: keyboard, mouse, hard disk, peripherals connected to the computer, and video memory. If no activity is detected for a period of time, the computer stops some or all of these devices in order to conserve energy.

## Saving power

### *Disable Fast startup*

Your computer uses Fast startup to start quickly, but also uses a small amount of power to check for signals to start. These checks will slowly drain your computer's battery.

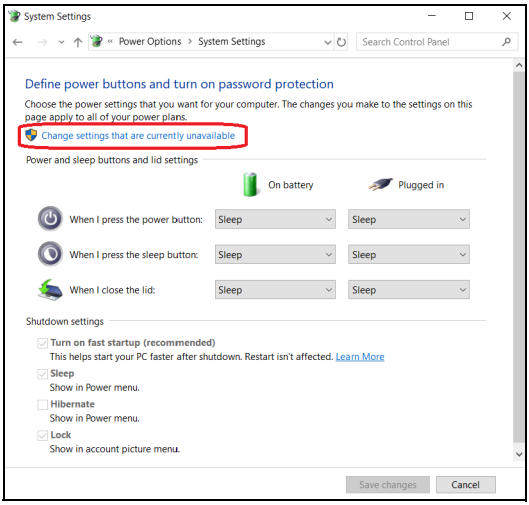
If you prefer to reduce your computer's power requirements and environmental impact, turn off Fast startup:

**Note**

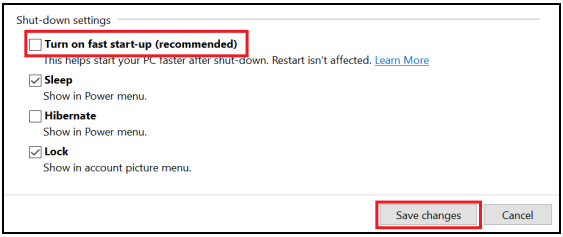
*If Fast startup is off, your computer will take longer to start from Sleep. Your computer will also not start if it receives an instruction to start over a network (Wake on LAN).*

1. Select the *Windows Start button* then select **Settings** > **System** > **Power & sleep.**
2. Select **Additional power settings.**
3. Select **Choose what the power buttons do**.

4. Select **Change settings that are currently unavailable**.


System Settings
Power Options › System Settings
Search Control Panel
Define power buttons and turn on password protection
Choose the power settings that you want for your computer. The changes you make to the settings on this page apply to all of your power plans.
Change settings that are currently unavailable
Power and sleep buttons and lid settings
On battery
Plugged in
When I press the power button:
Sleep
Sleep
When I press the sleep button:
Sleep
Sleep
When I close the lid:
Sleep
Sleep
Shutdown settings
Turn on fast startup (recommended)
This helps start your PC faster after shutdown. Restart isn't affected. Learn More
Sleep
Show in Power menu.
Hibernate
Show in Power menu.
Lock
Show in account picture menu.
Save changes
Cancel

5. Scroll down and disable **Turn on fast startup.**




6. Select **Save changes**.

# BATTERY PACK

The computer uses an embedded Lithium battery that gives you long use between charges.

## Battery characteristics

The battery is recharged whenever you connect the computer to the AC adapter. Your computer supports charge-in-use, enabling you to recharge the battery while you continue to operate the computer. However, recharging with the computer turned off significantly reduces charge time.

The battery will come in handy when you travel or during a power failure.

### Charging the battery

Plug the AC adapter into the computer, and connect to a mains power outlet.

**Note**

*You are advised to charge the battery before retiring for the day. Charging the battery overnight before traveling enables you to start the next day with a fully charged battery.*

#### *Conditioning a new battery pack*

Before you use a battery pack for the first time, there is a conditioning process that you should follow:

1. Connect the AC adapter and fully charge the battery.
2. Turn on the computer and complete setting up the operating system.
3. Disconnect the AC adapter.
4. Operate the computer using battery power.
5. Fully deplete the battery until the battery-low warning appears.
6. Reconnect the AC adapter and fully charge the battery again.

Follow these steps again until the battery has been charged and discharged three times.

Use this conditioning process for all new batteries, or if a battery hasn't been used for a long time.

**Warning**
**Do not expose battery packs to temperatures below 0° C (32° F) or above 45° C (113° F). Extreme temperatures may adversely affect the battery pack.**

The battery conditioning process ensures your battery accepts the maximum possible charge. Failure to follow this procedure will prevent you from obtaining the maximum battery charge, and will also shorten the effective lifespan of the battery.

In addition, the useful lifespan of the battery is adversely affected by the following usage patterns:

- Using the computer on constant AC power.
- Not discharging and recharging the battery to its extremes, as described above.
- Frequent use; the more you use the battery, the faster it will reach the end of its effective life. An embedded battery has a life span of more than 1,000 charge/discharge cycles.

## Optimizing battery life

Optimizing battery life helps you get the most out of battery operation, prolonging the charge/recharge cycle and improving recharging efficiency. You are advised to follow the suggestions set out below:

- Use AC power whenever possible, reserving battery for mobile use.
- Remove accessories that are not being used (e.g. a USB disk drive), as they can continue to draw power.
- Store your PC in a cool, dry place. The recommended temperature is 10° C (50° F) to 30° C (86° F). Higher temperatures cause the battery to self-discharge faster.
- Excessive recharging decreases the battery life.
- Look after your AC adapter and battery.

## Checking the battery level

The power meter indicates the current battery level. Rest the cursor over the battery/power icon on the taskbar to see the battery's present charge level.

## Battery-low warning

When using battery power pay attention to the power meter.

**Important**

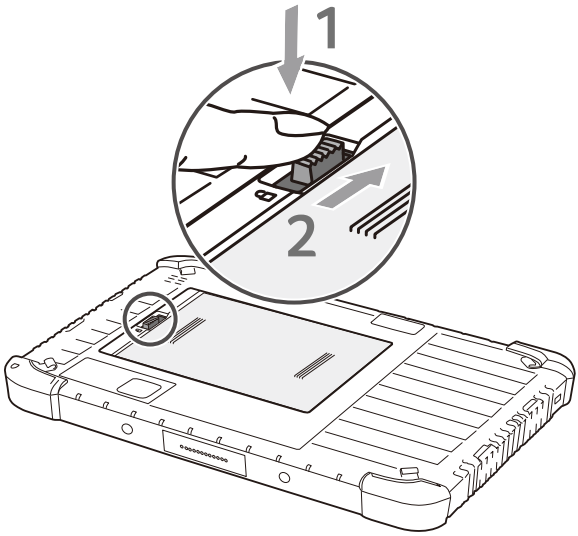
**Connect the AC adapter as soon as possible after the battery-low warning appears. Data may be lost if the battery is allowed to become fully depleted and the computer shuts down.**

When the battery-low warning appears, the recommended course of action depends on your situation:

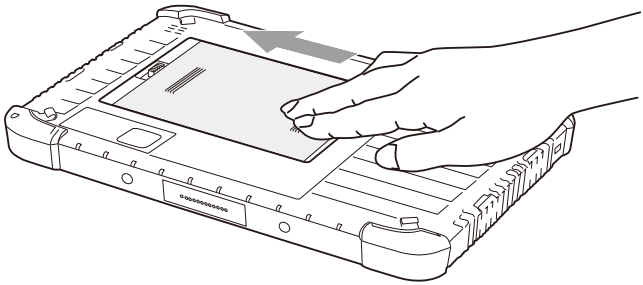
| Situation | Recommended Action |
|---|---|
| The AC adapter and a power outlet are available. | 1. Plug the AC adapter into the computer, and then connect to the main power supply.<br>2. Save all necessary files.<br>3. Resume work.<br>**Turn off the computer if you want to recharge the battery rapidly.** |
| The AC adapter or a power outlet is unavailable. | 1. Save all necessary files.<br>2. Close all applications.<br>3. Turn off the computer. |

# Removing the battery

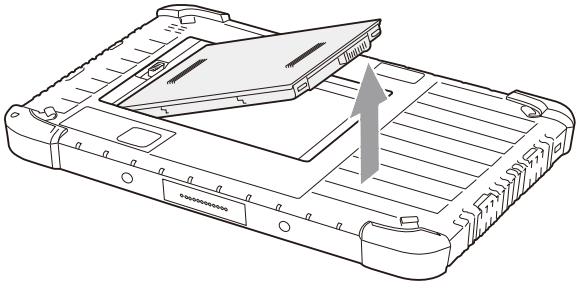
Step 1. Press down the latch to release the battery.




Step 2. Slide the battery towards the latch.



Step 3. Lift the battery out of the battery bay.



**Important**

**Only use Acer-approved accessories (adapter, power cord, battery, etc.).**

# TRAVELING WITH YOUR COMPUTER

This section gives you tips and hints to consider when moving around or traveling with your computer.

## Disconnecting from the desktop

Follow these steps to disconnect your computer from external accessories:

1. Save any open files.
2. Shut down the computer or put it into Sleep or Hibernate mode.
3. Close the display cover.
4. Disconnect the cord from the AC adapter.
5. Disconnect the keyboard, pointing device, printer, external monitor and other external devices.
6. Disconnect the Kensington / Noble lock if you are using one to secure the computer.

## Moving around

When you are just moving within short distances, for example, from your office desk to a meeting room.

### Preparing the computer

Before moving the computer, close and latch the display cover to place it in Sleep mode. You can now safely take the computer anywhere you go within the building. To wake the computer from Sleep mode, open the display and, if necessary, press and release the power button.

If you are taking the computer to a client's office or a different building, you may choose to shut down the computer:

Select the *Windows Start button*, click **Power** then select **Shut Down**

Or:

You can put the computer in Sleep mode by closing the display.

When you are ready to use the computer again, open the display and, if necessary, press and release the power button.

**Note**
*The computer may enter Hibernation or Deep Sleep mode after being in Sleep mode for a period of time.*

## What to bring to meetings

If your meeting is relatively short, you probably do not need to bring anything with you other than your computer. If your meeting will be longer, or if your battery is not fully charged, you may want to bring the AC adapter with you to plug in your computer in the meeting room.

If the meeting room does not have an electrical outlet, reduce the drain on the battery by putting the computer in Sleep mode. Close the display cover whenever you are not actively using the computer.

# Taking the computer home

When you are moving from your office to your home or vice versa.

## Preparing the computer

After disconnecting the computer from your desktop, follow these steps to prepare the computer for the trip home:

- Pack the computer in a protective case that can prevent the computer from sliding around and cushion it if it should fall.

**Warning**
**Avoid packing items next to the top cover of the computer. Pressure against the top cover can damage the screen.**

## What to take with you

Unless you have some items at home, take the following items with you:

- AC adapter and power cord.
- The printed *Quick Guide*.

## Special considerations

Follow these guidelines to protect your computer while traveling to and from work:

- Minimize the effects of temperature changes by keeping the computer with you.
- If you need to stop for an extended period of time and cannot carry the computer with you, leave the computer in the trunk of the car to avoid exposing the computer to excessive heat.
- Changes in temperature and humidity can cause condensation. Allow the computer to return to room temperature, and inspect the screen for condensation before turning on the computer. If the temperature change is greater than 10° C (18° F), allow the computer to come to room temperature slowly. If possible, leave the computer for 30 minutes in an environment with a temperature between outside and room temperature.

## Setting up a home office

If you frequently work on your computer at home, you may want to purchase a second AC adapter for use at home. With a second AC adapter, you can avoid carrying the extra weight to and from home.

If you use your computer at home for significant periods of time, you might also want to add an external keyboard, monitor or mouse.

# Traveling with the computer

**Important**
**Check with your airline for any special requirements for travelling with Lithium batteries.**

When you are moving within a larger distance, for instance, from your office building to a client's office building or traveling locally.

## Preparing the computer

Prepare the computer as if you were taking it home. Make sure that the battery in the computer is charged. Airport security may require you to turn on your computer when carrying it into the gate area.

## What to take with you

Take the following items with you:

- AC adapter
- Additional printer driver files if you plan to use another printer

## Special considerations

In addition to the guidelines for taking the computer home, follow these guidelines to protect your computer while traveling:

- Always take the computer as carry-on luggage.
- If possible, have the computer inspected by hand. Airport security X-ray machines are safe, but do not put the computer through a metal detector.

# Traveling internationally

**Important**
**Check with your airline for any special requirements for travelling with Lithium batteries.**

When you are moving from country to country.

## Preparing the computer

Prepare the computer as you would normally prepare it for traveling.

## What to bring with you

Bring the following items with you:

- AC adapter.
- Power cords that are appropriate for your destination(s).

- Additional printer driver files if you plan to use another printer.
- Proof of purchase, in case you need to show it to customs officials.
- International Travelers Warranty passport.

## Special considerations

Follow the same special considerations as when traveling with the computer.

In addition, these tips are useful when traveling internationally:

- When traveling in another country, check that the local AC voltage and the AC adapter power cord specifications are compatible. If not, purchase a power cord that is compatible with the local AC voltage. Do not use converter kits sold for appliances to power the computer.
- If you are using the modem, check if the modem and connector are compatible with the telecommunications system of the country you are traveling in.

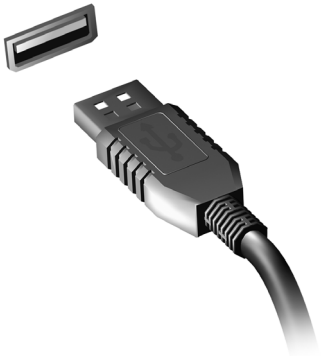
# Ports and connectors...

## In this section you will find:

- Information on the ports and connectors fitted to your computer

# UNIVERSAL SERIAL BUS (USB)

The USB port is a high-speed port which allows you to connect USB peripherals, such as a mouse, an external keyboard, additional storage (external hard disks), or any other compatible device.



**Note**

*Two USB standards are currently available on Acer computers: USB 2.0 (High-speed USB) and USB 3.2 Gen 1 (SuperSpeed USB). USB 2.0 ports on Acer computers have a black tongue in the port, while USB 3.2 Gen 1 ports have a blue tongue. For best performance, USB 3.2 Gen 1 devices should always be plugged into USB 3.2 Gen 1 ports. Consult your device's documentation to see which standard it supports.*

You can also charge devices such as tablets, smartphones, or other devices through a USB port. Some USB 3.2 Gen 1 ports support charging devices when the computer is in Hibernate or turned off. Additionally, you can use a USB hub to connect multiple devices to a single USB port.

**Important**

**When removing a USB storage device, you should right-click on the USB icon in the Windows task bar and select "Eject <device>" to tell the operating system to stop using the device before removing it. Failure to do this may result in data loss or damage to your peripheral.**

# MicroSD card reader

MicroSD (Secure Digital) cards are used in a wide selection of digital cameras, tablets, media players and cellular phones.

## *Inserting an microSD card*

1. Align the card so that the connector points towards the port, with the connectors facing down.
2. Carefully slide the card into the port. If you find you need to use any force to insert the card, try reorientating the card slightly.
3. Push the card until it clicks into place. A few millimetres of the card will extend from beyond the slot.

   If the card contains some files, the *Windows AutoPlay* window may appear (this depends on the contents of the card) and ask you if you wish to use a program to access the contents of the card.

**Important**

**When removing an microSD card, you should right-click on the USB icon in the Windows task bar and select "Eject <card name>" to tell the operating system to stop using the device before removing it. Failure to do this may result in data loss or damage to your peripheral.**

## *SD, SDHC and SDXC cards*

Different types of SD cards cover different capacities, while using the same overall design. SD cards contain up to 4 GB; SDHC cards contain up to 32 GB; and SDXC cards can contain up to 2048 GB (2 TB). Your computer provides an SDHC or SDXC compatible card reader.

**Note**

*SDXC memory cards can only be used in an SDXC-compatible reader; SD and SDHC cards can be used in either type.*

# VIDEO AND AUDIO CONNECTORS

Add an external monitor to your computer via a video port. The type of port available depends on your computer's configuration.

## Connecting a monitor

1. Check that the computer is powered off and the monitor power switch is turned off.
2. Attach the video cable to the monitor port on the computer.
3. Connect the monitor power cable and plug it into a properly grounded wall outlet.
4. Follow any setup instructions in the monitor's user's guide.
5. Turn on power to the monitor, then the computer.
6. The correct resolution and refresh rate should be detected automatically. If necessary, change the display settings used by the computer.

**Note**
*To access the display controls, right-click anywhere on the desktop and select **Display settings**.*

## Headphones and microphone

One or more 3.5 mm jacks on your computer allow you to connect audio devices.

Use the headphone port to plug in stereo headphones or powered speakers; connecting an audio device to the headphone port disables the built-in speakers.

Use the microphone port to connect an external microphone; connecting a microphone disables the built-in microphone.

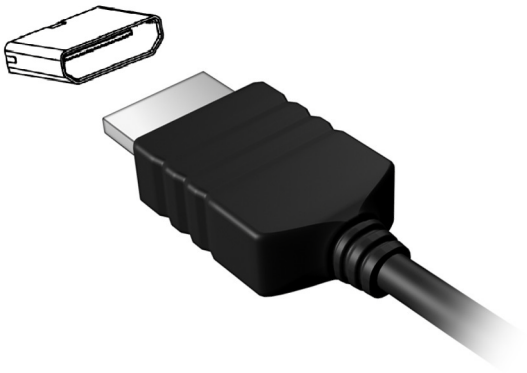
**Note**
*Some computers have a single "combo" port that allows you to use single-pin headsets with a built-in microphone. These headsets are most commonly used with smartphones.*

# HDMI MINI

HDMI (High-Definition Multimedia Interface) is a high-quality, digital audio/video interface. HDMI allows you to connect any compatible digital audio/video source, such as your computer, a set-top box, DVD player, and audio/video receiver to any compatible digital audio and/or video monitor, such as a digital television (DTV) with a single cable.

The single cable keeps everything neat and tidy while ensuring easy connection and the best audio and visual quality.

HDMI Mini delivers the same high-quality playback as standard HDMI, with a slimmer connector, ideal for use in slim-and-light notebooks and tablet computers.



# Got a question?

## In this section you will find:

- Frequently asked questions
- Tips for using Windows 10
- Troubleshooting information
- How to protect yourself while online
- Where to find Acer service center contact information

# FREQUENTLY ASKED QUESTIONS

The following is a list of possible situations that may arise during the use of your computer. Easy solutions are provided for each one.

*I turned on the power, but the computer does not start or boot up.*

Check if power is being supplied to the computer (if your computer has a power indicator, it will be off); if there is no power, check the following:

- If you are using on the battery, it may be low and unable to power the computer. Connect the AC adapter to recharge the battery pack. You may need to wait a few minutes before trying to turn your computer on again.
- Make sure that the AC adapter is properly plugged into the computer and to the power outlet.

If power is being supplied to the computer, check the following:

- Do you have a USB storage device (USB drive, CD drive or smartphone) plugged into your computer?

*Nothing appears on the screen.*

The computer's power management system automatically blanks the screen to save power. Press any key to turn the display back on.

If pressing a key does not turn the display back on, three things might be the cause:

- The brightness level might be too low.
- The display device might be set to an external monitor.
- The computer may be in Sleep or Hibernate mode (if there is a power LED, it will flash). Press and release the power button to resume.

*No audio is heard from the computer.*

Check the following:

- The volume may be muted. Look at the volume control (speaker) icon in the taskbar. If it is crossed-out, click the icon and drag the slider to the right to increase the volume.

- The volume level may be too low. Check the volume from the volume control (speaker) icon in the taskbar.
- If headphones, earphones or external speakers are connected to the headphone jack on the computer, the internal speakers automatically turn off.

*The printer does not work.*

- Make sure that the printer is connected to a power outlet and that it is turned on.
- Make sure that the printer cable is connected securely to a USB port and the corresponding port on the printer.

*I want to restore my computer to its original settings.*

**Note**
*If your system is the multilingual version, the operating system and language you choose when you first turn on the system will be the only option for future recovery operations.*

This recovery process helps you restore the C: drive with the original software content that is installed when you purchased your computer.

**Warning**
**Your C: drive will be reformatted and all data will be erased. It is important to back up all data files before using this option.**

Before performing a restore operation, please check the BIOS settings.

1. If there is a **D2D Recovery** setting in **Main**, make sure it is **Enabled**.
2. Exit the BIOS utility and save changes. The system will reboot.

**Note**
*To access the BIOS utility, press **F2** when you see the Acer logo during boot up.*

For more information, **see Restoring your computer on page 21**.

# Requesting service

## *International Travelers Warranty (ITW)*

Your computer is backed by an International Travelers Warranty (ITW) that gives you security and peace of mind when traveling. An ITW passport came with your computer and contains all you need to know about the ITW program. A list of available, authorized service centers is in this handy booklet. Read this passport thoroughly.

Always have your ITW passport on hand, especially when you travel, to receive the benefits from our support centers. Attach your proof-of-purchase to the ITW passport.

If the country you are traveling in does not have an Acer-authorized ITW service site, you can still get in contact with our offices worldwide. Please visit **www.acer.com**.

## *Before you call*

Please have the following information available when you call Acer for online service, and please be at your computer when you call. With your support, we can reduce the amount of time a call takes and help solve your problems efficiently. If there are error messages or beeps reported by your computer, write them down as they appear on the screen (or the number and sequence in the case of beeps).

You are required to provide the following information:
Name:
Address:
Telephone number:
Machine and model type:
Serial number:
Date of purchase:

# Tips and hints for using Windows 10

We know this is a new operating system that will take some getting used to, so we've created a few pointers to help you get started.

## How do I get to *Start*?

Tap the Start button on the lower left-hand corner of the screen. Tapping it will open *Start* where you can launch apps.

### *How do I see all of my apps?*

Tap the *Windows Start button* to show a list of installed apps on the computer.

## How do I turn off my computer?

Tap the *Windows Start button* and tap the power icon > **Shut down**.

### *Can I turn off notifications?*

You can turn off notifications so that you can leave your computer running, but not be disturbed by notifications.

Tap the *Windows Start button* and tap **Settings** > **System** > **Notifications & actions**. From here you can enable/disable notifications for all of your apps or choose which apps to enable/disable.

## How do I unlock my computer?

Swipe the lock screen upwards and tap a user account icon to unlock the computer. If your account has a password set, you will need to enter the password to continue.

### *Can I personalize the Lock screen?*

You can personalize the lock screen with a different image, to run a slideshow of images, or to show you quick status and notifications to suit your personal needs.

To change the background, tap the *Windows Start button* and tap **Settings** > **Personalization** > **Lock screen**. From here you can:

- Select a background image for the lock screen

- Turn the *Slideshow* on or off
- Select lock screen apps.

*How do I set up the lock screen slideshow?*

1. Tap the *Windows Start button* and select **Settings** > **Personalization.**
2. Under Lock screen, select *Slideshow*.
3. Tap **Add a folder** and open the folder you wish to use (your *Pictures* folder will open by default). Tap **Choose this folder** to add the folder to the lock screen slideshow.
4. Select a folder and tap **Remove** to remove the folder from the lock screen slideshow.
5. Change the other settings to suit your needs.

*How do I move tiles?*

Tap on a tile and drag it to the place on *Start* that you want it to appear. Other tiles will be moved to accommodate the tile in its new location.

*Can I arrange tiles in groups?*

Yes, you can. Tap and hold a tile until you see the screen dim. Drag the tile to arrange *Start* to your liking.

*Can I make tiles bigger or smaller?*

Yes, you can. Tap and hold a tile until you see the screen dim. Tap **Resize** and select a size from the menu that appears.

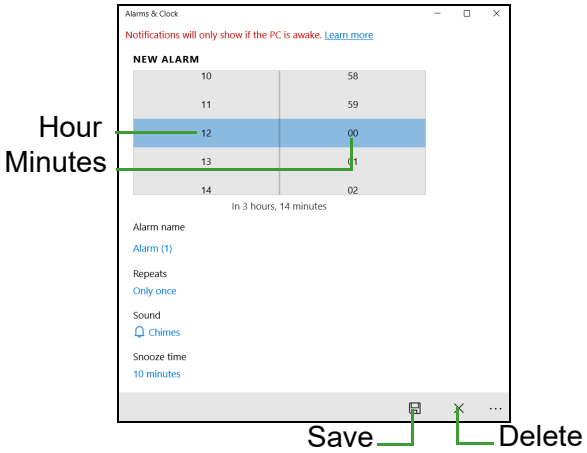
*Can I change the screen resolution?*

Yes, you can. Tap search box and use the onscreen keyboard to type 'Resolution' in the text box to display the results; tap **Change the resolution of the display**. Alternatively, you can also tap and hold anywhere on the screen and tap **Display settings > Display**.

## How do I set the alarm?

Your computer can act as an alarm clock. Type ’Alarms’ to search for the *Alarms & Clock* app.

1. Select an alarm from the list, or select the + in the lower-right corner to create a new alarm.
2. Enter the *Alarm name*.
3. Set the time by choosing the hour and minute.
4. Choose which days the alarm should go off.
5. Select the sound notification.
6. Select the snooze time.
7. Tap the *Save* icon in the bottom right-hand corner to save the alarm.
8. Select *On* or *Off* to activate or deactivate the alarm.




**Note**

*The alarm will only sound if your computer is awake at the set time.*

## Where are my apps?

Tap search box and type the name of the app you would like to open using the pop-up keyboard. To view the complete list of apps, tap the *Windows Start button*.

### *How do I make an app appear on Start?*

If you're in all apps list and you want to make an app appear on *Start*, tap and hold the app until you see the screen dim. When you release the app, tap **Pin to Start** from the menu that appears.

*How do I remove a tile from Start?*

Tap and hold a tile until you see the screen dim. When you release the tile, tap the *Unpin icon* to remove the tile from *Start*.

*How do I make an app appear on my taskbar?*

If you're in all apps list and you want to make an app appear on the taskbar, tap and hold the app until you see the screen dim. When you release the app, tap **More > Pin to taskbar** from the menu that appears.

*How do I install apps?*

You will need to have a Microsoft ID to purchase and download apps from *Microsoft Store*.

*I can't find apps like Notepad and Paint! Where are they?*

Tap search box and type the name of the app you would like to open using the pop-up keyboard. Alternatively, open all apps list and scroll to 'Windows Accessories' to see the list of legacy programs.

## What is a Microsoft ID (account)?

A Microsoft account is an email address and password that you use to sign in to Windows. You can use any email address, but it is best if you choose the one you already use to communicate with friends and sign in to your favorite websites. When you sign in to your PC with a Microsoft account, you'll connect your PC to the people, files, and devices you care about.

*Do I need one?*

You do not need a Microsoft ID to use Windows 10, but it makes life easier because you can sync data across different machines you sign in to using a Microsoft ID.

*How do I get one?*

If you've already installed Windows 10 and didn't sign in with a Microsoft account or you don't have a Microsoft account and want to get one, tap the *Windows Start button* > **Settings** > **Accounts** > **Sign in with a Microsoft account instead**, and follow the onscreen instructions.

## How do I check for Windows updates?

Tap the *Windows Start button* > **Settings** > **Update & Security** > **Windows Update**. Tap **Advanced options** to configure the settings.

## Where can I get more information?

For more information please visit the following pages:

- Windows 10 information: **www.microsoft.com**
- Support FAQs: **support.acer.com**

# Troubleshooting

This chapter shows you how to deal with common system problems. Read it before calling a technician if a problem occurs. Solutions to more serious problems require opening up the computer. Do not attempt to open the computer yourself; contact your dealer or authorized service center for assistance.

## Troubleshooting tips

This computer incorporates an advanced design that delivers onscreen error message reports to help you solve problems.

If the system reports an error message or an error symptom occurs, see "Error messages" below. If the problem cannot be resolved, contact your dealer.

## Error messages

If you receive an error message, note the message and take the corrective action. The following table lists the error messages in alphabetical order together with the recommended course of action.

| Error messages | Corrective action |
|---|---|
| CMOS battery bad | Contact your dealer or an authorized service center. |
| CMOS checksum error | Contact your dealer or an authorized service center. |
| Disk boot failure | Insert a system (bootable) disk, then press **Enter** to reboot. |
| Equipment configuration error | Press **F2** (during POST) to enter the BIOS utility, then press **Exit** in the BIOS utility to reboot. |
| Hard disk 0 error | Contact your dealer or an authorized service center. |
| Hard disk 0 extended type error | Contact your dealer or an authorized service center. |

| Error messages | Corrective action |
|---|---|
| I/O parity error | Contact your dealer or an authorized service center. |
| Keyboard error or no keyboard connected | Contact your dealer or an authorized service center. |
| Keyboard interface error | Contact your dealer or an authorized service center. |
| Memory size mismatch | Press **F2** (during POST) to enter the BIOS utility, then press **Exit** in the BIOS utility to reboot. |

If you still encounter problems after going through the corrective measures, please contact your dealer or an authorized service center for assistance.

# INTERNET AND ONLINE SECURITY

## First steps on the net

### Protecting your computer

It is vital to protect your computer from viruses and attacks over the internet (**see Internet security software on page 75**).
A comprehensive internet security program is offered when you first start your computer. You should activate this protection as soon as possible, certainly before you connect to the internet.

### Choose an Internet Service Provider

Using the internet has become a natural part of daily computing. Just a few simple steps can connect you to a vast collection of knowledge and communication tools. To accomplish these steps you should first select an *Internet Service Provider* (ISP), which supplies the connection between your computer and the internet. You should research the ISPs available in your region, not forgetting to talk to friends and family about their experiences or to check reviews and consumer reports. The ISP you select will provide instructions on how to connect to the internet (you may need additional software or a special 'box' that connects to your phone line).

#### *Connection types*

Depending on your computer model, your location and your communication needs, you have several ways to connect to the internet.

#### *Dial-up*

Some computers include a telephone dial-up ('modem') connector. This allows you to connect to the internet using your telephone line. With a dial-up connection, you cannot use the modem and the telephone simultaneously on a single phone line. This type of connection is recommended only if you have limited use of the

internet as the connection speed is low and connection time is typically charged per hour.

### *DSL (e.g. ADSL)*

DSL (Digital Subscriber Line) is an 'always-on' connection that runs over the phone line. As DSL and phone do not use the same frequencies, you can use your telephone at the same time you are connected to the internet (this requires a 'micro-filter' on each telephone socket to avoid interference). To be eligible for DSL, you must be located near an DSL-equipped phone exchange (service is sometimes unavailable in rural areas). Connection speeds vary depending on your location, but DSL generally provides very fast and reliable internet connection. As the connection is always-on, it is generally charged at fixed monthly rates.

**Note**

*A DSL connection requires an appropriate modem. A modem is usually provided by the ISP when you register. Many of these modems include an 'router' that provides network and Wi-Fi access.*

### *Cable*

A cable connection provides fast and always-on internet service via a cable television line. This service is generally available in large cities. You can use your telephone and watch cable TV at the same time you are connected to the internet.

### *Cellular*

A cellular connection allows you to use cellular networks (such as those used by a mobile phone) to connect to the internet while away from home. The socket for a SIM card may be built in to your computer, or may require an external device, such as a USB modem or even an appropriately equipped mobile phone.

**Note**

*If your computer includes a SIM card slot, you require a compatible SIM card and a contract with a cellular provider.*

*Before using the cellular features, check with your service provider to see if any additional charges will be incurred, especially roaming charges.*

# Network connections

A LAN (Local Area Network) is a group of computers (for example, within an office building or home) that share a common communications line and resources. When you set up a network, you can share files, peripheral devices (such as a printer) and an internet connection. You can set up a LAN using wired technologies (such as Ethernet) or wireless technologies (such as Wi-Fi or Bluetooth).

## *Wireless networks*

A wireless LAN or WLAN is a wireless local area network, which may link two or more computers without using wires. Setting up a wireless network is easy and allows you to share files, peripheral devices and an internet connection.

### *What are benefits of a wireless network?*

#### *Mobility*

Wireless LAN systems allow you and other users of your home network to share access to files and devices connected to the network, for example a printer or scanner.

Also you can share an internet connection with other computers in your home.

#### *Installation speed and simplicity*

Installing a wireless LAN system can be fast and easy and eliminates the need to pull cables through walls and ceilings.

## *Components of a wireless LAN*

To set up your Wireless network at home you need to have the following:

### *Access point (router)*

Access points (routers) are two-way transceivers that broadcast data into the surrounding environment. Access points act as a mediator between wired and wireless network. Most routers have a built-in DSL modem that will allow you access to a high speed DSL internet connection. The ISP (Internet Service Provider) you have chosen normally supplies a modem/router with the subscription to their

services. Read carefully the documentation supplied with your Access point/router for detailed setup instructions.

*Network cable(RJ45)*

A network cable (also called RJ45 cable) is used to connect the host computer to the access point (see illustration below); this type of cable may also be used to connect peripheral devices to the access point.

*Wireless adapter*

Most computers feature a wireless module and Wi-Fi button that turns the network connection on or off. You may also turn your wireless network on or off, or control what is shared over the network with the network management options.

**Warning**
**Using wireless devices while flying in aircraft may be prohibited. Switch off all devices before boarding an aircraft; they may be dangerous to the operation of the aircraft, disrupt communications, and even be illegal. After take off, ask the cabin crew if you may enable Wi-Fi.**

## Surf the Net!

To surf the internet, you need a program called an internet browser. *Microsoft Edge* provides an easy and secure web browsing experience. As soon as you have your internet access installed and you are connected, from the Start Menu, click the Microsoft Edge tile or the icon located in the taskbar and take your internet experience to a new level!

*Acer website*

To get you started why not visit our website, **www.acer.com**.

Acer is dedicated to provide you with on-going personalized support. Check out our *Support* section to get help tailored to your needs.

**www.acer.com** is your portal to a world of online activities and services: visit us regularly for the latest information and downloads!

# Internet security software

To help you stay ahead of cybercriminals, Acer has partnered with Norton to offer you security for all your devices.

*Select Acer computers include protection by Norton Security*

Norton Security is pre-installed on select Acer computers, protecting your identity and financial data from viruses, spyware, malware and other online threats. Learn more about how to stay safe online and how to stay protected after your introductory subscription ends.

**Note**
*Specifications vary depending on model or Operating System.*

## *Staying ahead of cybercriminals*

Stay ahead of hackers and cybercriminals by understanding the tactics they use to access your private data.

### *Ensure your software is up to date*

Cybercriminals rely heavily upon software or platform vulnerabilities, as they are the easiest way to sneak malware into a user's device unnoticed, sometimes with little action on the user's part. Immediately after a software manufacturer announces an update, hackers are ready with malware that can breach holes in the software that would have been patched if the update was installed.

**How to stay safe:** Perform any and all software updates as soon as they are available.

### *Keep a lookout for fake or phishing emails*

Beware of emails that appear to be from a friend or business colleague that you know but seem a little odd. Maybe they didn't capitalize your name or there are misspellings. The email might be from cybercriminals who are trying to fool you into sending them your credit card number, social security number, or logging into a fake bank website that looks like yours but really isn't.

**How to stay safe:** Use a strong antispam filter. If an email looks strange, don't click on anything and delete it immediately. Instead manually launch a browser and type in your bank's website address and log-in yourself.

### *Don't be fooled if someone calls your phone*

A tech support scam is a form of online fraud where people call you on the phone saying they're Technical Support from a trusted company like Norton or Microsoft and that you have a virus. The main motive behind these scams is to extort money from the victim. Cybercriminals can also install malware such as keylogging software or backdoor Trojans in order to gain access to personal information.

**How to stay safe:** Don't fall for phone calls that tell you your software or computer isn't working. Never give your personal information like social security or credit card numbers to someone that you don't know over the phone.

## *Common threats cybercriminals use*

Now you know a few very common ways cybercriminals try to sneak onto your device or trick you into providing private information to them directly. Here are a few of the types of malware they like to deploy once they've got into a device and what to do if you're ever infected.

### *Ransomware*

A form of malware that will encrypt personal data files on your computer and attached devices. Encryption converts files into another format, that can only be opened with a specific decryption key. Once the ransomware installs itself, it will display a warning message that the computer is now locked. The user is given a specific amount of money to pay as a "fine" and a timeframe in which to pay. Even if paid, the criminal might choose to not unencrypt the files anyway!

**What to do if you're infected:** Avoid getting infected in the first place by staying protected with internet security software like Norton Security. Also, perform regular backups of all your data either online or to a separate external hard drive that is *only attached* to your computer while performing the backup. Ransomware has been known to lock access to external hard drives attached to the computer.

If you are infected with ransomware, think twice before you pay the ransom. There is no guarantee the cybercriminal will unlock your files and you'll be funding them to prey upon another innocent victim.

### *Botnets*

A botnet is a string of infected, connected computers coordinated together to perform a task. Botnets gain access to your machine through some piece of malicious coding. Once the software is downloaded, the botnet will now contact its master computer and let it know that everything is ready to go. Now your computer, phone, tablet, or IoT device is entirely under the control of the person who created the botnet. Most people who are infected with botnets aren't even aware that their computer's security has become compromised!

**What to do if you're infected:** If you're infected you probably don't realize it as bots are notoriously quiet. Your Internet Service Provider might send you a notification alerting you that they found a threat on your network and that you need to remove the bot. If you have a bot, use internet security software like Norton Security to scan all of your devices.

### *Viruses/Malware*

"Virus" is the commonplace word for all malicious software programs for years now; however, a virus is just one type of malicious threat. A virus is classified as a self-replicating piece of malicious code that travels by inserting itself into files or programs.

**What to do if you're infected:** Take steps to avoid infection by staying protected with internet security software like Norton Security. If you subscribed to Norton Security and think you may have a virus, contact Norton's on-call technicians to help eliminate the virus.

## *Take special precautions when using public Wi-Fi*

Public Wi-Fi is available just about everywhere, from the local coffee shop to the hotels and airports you visit while traveling. While public Wi-Fi has made our lives a little easier, it also poses security risks to the personal information available on our laptops and smartphones. A virtual private network (VPN) gives you online privacy and anonymity by creating a private network from a public internet connection. VPNs mask your internet protocol (IP) address so your online actions are virtually untraceable as well as secure. One of the biggest security risks on public Wi-Fi are man-in-the-middle attacks (MITM). These attacks are akin to eavesdropping. Data is sent from point A (computer) to point B (server/website), and an attacker can get in-

between these transmissions. They then set up tools programmed to "listen in" on transmissions, intercept data that is specifically targeted as valuable, and capture the data, such as your login credentials and passwords.

Use a virtual private network (VPN) to ensure your privacy and anonymity are protected when you use public Wi-Fi. VPN services can encrypt all the data that you send and receive while using a public Wi-Fi hotspot, securing your information from hackers and other users of the same connection.

### *For more tips on how to stay safe*

Good security habits can reduce your exposure to online crime. By adopting a few basic behaviors, you can make big strides in reducing cybercrime risk:

- Protect your accounts with strong, unique passwords that use a combination of at least 10 uppercase and lowercase letters, symbols and numbers.
- Don't click on random links or open unsolicited messages and attachments-particularly from people you don't know.
- Don't access any personal information or social media accounts over unprotected Wi-Fi networks.
- Use security software on your devices to help protect yourself from the latest threats.

### *Protect your computer with Windows security tools*

Windows provides a variety of protection applications.

#### *Windows Updates*

If you have an active internet connection, Windows can check for important updates for your computer and install them automatically. These updates include security patches and program updates that can improve your computing experience and help protect your computer against new viruses and attacks.

#### *How do I know when my computer is at risk?*

If the *Action Center* reports an alert, or if your computer behaves erratically, crashes unexpectedly or if some of your programs do not work correctly, your computer may be infected by malicious software.

However, do not blame every computer problem on a virus! If you suspect your computer is infected, the first thing to do is update, if you have not already done so, and run your antivirus and anti-spyware software.